BACKGROUND CODE UPDATE FOR EMBEDDED SYSTEMS

ABSTRACT OF THE DISCLOSURE

According to the present invention, there is provided an embedded system and method for performing a background code update of a current code image with an incoming code image in an embedded system, the method comprising the steps of: executing the current code image in the embedded system; executing one or more code update routines from the incoming code image to update the current code image with the incoming code image; and executing a task switching function from the current code image to switch microprocessor control from executing the one or more code update routines of the incoming image to execute a function in the current code image. The system and method may further provide for retrieving an offset from the incoming code image for the one or more code update routines in the incoming code image. The system and method may further provide for retrieving an offset from the current code image of a task switching function. Additionally, the embedded system may form a part of a larger system, preferably a storage automation library.